Public Notice

U S Army Corps of Engineers
Huntington District

In reply refer to Public Notice No.	Issuance Date:
2006-192-OHR	**July 10, 2007**
Stream:	Closing Date:
Ohio River M.P. 235 - 236	**Aug 9, 2007**

Please address all comments and inquiries to:
U.S. Army Corps of Engineers, Huntington District
ATTN: CELRH-OR-F Public Notice No. *(reference above)*
502 Eighth Street
Huntington, West Virginia 25701-2070 Phone: (304) 399-5210

PUBLIC NOTICE: The purpose of this public notice is to inform you of a proposal for work in which you might be interested. It is also to solicit your comments and information to better enable us to make a reasonable decision on factors affecting the public interest. We hope you will participate in this process.

REGULATORY PROGRAM: Since its early history, the U.S. Army Corps of Engineers (Corps) has played an important role in the development of the nation's water resources. Originally, this involved construction of harbor fortifications and coastal defenses. Later duties included the improvement of waterways to provide avenues of commerce. An important part of our mission today is the protection of the nation's waterways through the administration of the Corps Regulatory Program.

SECTION 10: The Corps is directed by Congress under Section 10 of the Rivers and Harbors Act of 1899 (33 USC 403) to regulate all work or structures in or affecting the course, condition or capacity of navigable waters of the United States (U.S.). The intent of this law is to protect the navigable capacity of waters important to interstate commerce.

SECTION 404: The Corps is directed by Congress under Section 404 of the Clean Water Act (33 USC 1344) to regulate the discharge of dredged and fill material into all waters of the United States, including wetlands. The intent of the law is to protect the nation's waters from the indiscriminate discharge of material capable of causing pollution and to restore and maintain their chemical, physical and biological integrity.

TO WHOM IT MAY CONCERN: The following application has been submitted for a Department of the Army Permit under the provisions of Section 10 of the Rivers and Harbors Act and Section 404 of the Clean Water Act. This notice serves as the Corps of Engineers' request to the Ohio Environmental Protection Agency (OEPA) to act on Section 401 Water Quality Certification for the following application:

APPLICANTS: American Municipal Power-Ohio, Inc.
2600 Airport Drive
Columbus, Ohio 43219

LOCATION: The proposed project is located in wetlands and tributaries to the Ohio River along the right descending bank of the Ohio River between milepoints 235 and 236 near Letart Falls, Meigs County, Ohio.

DESCRIPTION OF THE PROPOSED WORK: The applicant proposes to construct and operate the American Power Generating Station (APGS), a pulverized coal-fired power plant consisting of two 480 MW generating units on a 1000-acre parcel of land. According to the applicant the construction and operation of the plant would require the placement of fill material into waters of the United States in conjunction with the development of an on-site landfill, a barge fleeting facility, a barge unloading facility, water intake structures, and a wastewater discharge structure. Other site features would include ancillary equipment/units: an auxiliary boiler, roadways, material storage piles, cooling cells, coal crushing, materials preparation areas, pollution control equipment, electric transmission lines, and conveying operations. Actual construction of these features would not result in the discharge of fill material into waters of the United States.

On-Site Landfill: The applicant proposes to place approximately 43,333 cubic yards of dredged or fill material into 1.01 acres of twelve wetlands (See Table 1) and 10,359 linear feet of thirty stream segments (See Table 2) for the purpose of constructing a landfill that would be used for the disposal of byproducts (flyash, bottom ash, gypsum and intake water treatment sludge) from the AMPGS. The landfill would be constructed in four phases that would encompass approximately 132.9 acres over 43.3 years. In addition, AMP-Ohio has proposed the construction of two 345 kV electric transmission lines from the proposed power plant to the existing Sporn-Muskingum River 345 kV transmission line located approximately 5 miles to the northwest in Dorcas, Meigs County, Ohio.

Barge Fleeting Facility: Operation of the new facility would require approximately 2,600 barges of coal to be offloaded per year. The barge fleeting facility for coal and other materials delivery would involve the placement of twelve mooring cells and six unloading cells. Six mooring cells would be located upstream of the unloading cells to store fifteen full barges and six mooring cells would be located downstream to store fifteen empty barges. Each set of mooring cells would consist of one 30-foot diameter cell and five 20-foot diameter cells. The six unloading cells would include three 30-foot diameter cells for mooring barges and three 40-foot diameter cells which would be used to mount a crane and conveyor hoppers. The mooring cells would be constructed by driving interlocking sheet piling into the riverbed a circular form, backfilling with aggregate, and capping each cell with concrete. Approximately 20,000 cubic yards of aggregate would be utilized to fill the mooring cells. Loaded barges would be moored three wide and five long, with a maximum riverward extension of 170' from the normal pool shoreline. Empty barges would be moored three wide and five long, with a maximum riverward extension of 255' from the normal pool shoreline. The barge unloading facility would extend approximately 3,100' of parallel to the normal pool shoreline. In order to prevent erosion, approximately 1,800 linear feet of the upstream fleeting area would be excavated and backfilled with approximately 45,000 cubic yards of stone protection to stabilize the river bank. No riverbank excavation or stabilization is proposed for the downstream barge mooring facility or the unloading facility.

Equipment Unloading Facility: An equipment unloading dock would be constructed immediately downstream of the barge unloading facility to facilitate construction of the power generating plant. Approximately 6,700 cubic yards of material would be excavated from the riverbank to create a 60' wide x 200' long x 15' deep channel that would extend back into the bank from elevation 545 to 575. Approximately 23,000 square feet of interlocked sheet piling, 2,000 cubic yards of fill material and 500 cubic yards of stone protection would be used to stabilize the equipment unloading channel. One 195-foot dock barge would be moored in the channel to facility equipment unloading activities.

Dredging and Maintenance Dredging: Construction of the river facilities would require the removal of approximately 70,000 cubic yards of material from an area measuring 1700' x 120' in the Ohio River. The material would be removed utilizing an open-cutter hydraulic dredge and would be pumped to an approved upland disposal site. The material proposed from removal has been tested and is free of contaminants. The applicant is also requesting authorization to perform periodic maintenance dredging within the proposed barge fleeting area. If authorized, the proposed dredging operation would be approved for a period of 10 years. The dredging activity would be conducted on an as needed basis, but is not expected to occur more often than once every few years. The applicant anticipates a maximum of 20,000 cubic yards of material would be removed during the 10 year period to provide adequate drafting depths.

Water Intake Structure: Two off-shore cylindrical wedge wire screens would be used to withdraw water from the Ohio River for use at the APGS plant. Approximately 60 square feet of the riverbed below the structure would be reinforced 550 cubic yards of 24" diameter riprap. The intake structure would have a maximum withdrawal rate of 12,500 gallons per minute (gpm). The structure would be located approximately 16' below the surface of the river at normal pool and would extend 80' from the normal pool shoreline.

Wastewater Discharge Structure: The wastewater discharge structure would be located approximately 900 feet downstream of the intake facility to eliminate recirculation of the wastewater. The discharge would leave the power plant via a 24-inch diameter reinforced concrete pipe and would discharge via a baffled outlet structure to dissipate energy in the flow. The wastewater flow would then exit the baffled outlet structure into an open rock-lined ditch measuring 400' long x 35'wide x 5'deep. The ditch would convey the wastewater to the Ohio River. Approximately 80 cubic yards of stone protection would be placed below the ordinary high water elevation of Ohio River to stabilize the outfall ditch.

Plans of the proposal are attached to this notice.

ALTERNATIVE ANALYSIS: A total of 1.01 acres of jurisdictional wetlands would be filled as a result of the proposal. The project does not require access to or siting within the wetlands to fulfill its basic purpose and is considered a non-water dependent activity; therefore, the applicant is required to show that other less damaging practicable alternatives are not available that would achieve the applicant's goal. The Section 404(b)(1) Guidelines state that for non-water dependent activities,

practicable alternatives that do not involve wetlands are presumed to be available unless clearly demonstrated otherwise. The applicant is required to provide an alternative analysis that must overcome the presumption prior to receiving authorization for the placement of fill material. The applicant has submitted the required alternative analysis and it is currently under review. No permit will be issued until our review of the alternative analysis clearly shows that upland alternatives are not available to achieve the applicant's goal.

MITIGATION PLAN: To compensate for the loss of 1.01 acres of wetland associated with the proposal, the applicant has conceptually proposed to create 1.77 acres of mixed emergent and forested wetland on site. The mitigation wetlands would be excavated slightly below the grade of the surrounding wetlands. Wetland soil would be stockpiled and redistributed within the mitigation site to allow wetland vegetation to establish naturally through the seed-source present in the redistributed topsoil. The on-site seed source would be supplemented with an emergent wetland seed mix and suitable bare-root riparian trees to ensure good coverage and diversity. The proposed conceptual mitigation plan represents a slightly greater than 1.5:1 mitigation ratio. In addition, the remaining 1.21 acres of jurisdictional wetlands would be preserved on site. To mitigate for the impacts to 10,359 linear feet of stream channel, the applicant proposes to enhance the non-impacted portions of the streams located in the landfill area of the site via vegetation establishment and bank stabilization methods. In addition, the applicant proposes to preserve 1,240 linear feet of Stream BS-13 located in the central portion of the site. Stream AN-S1 would be relocated into a new channel, measuring 1,525', utilizing natural stream channel design techniques (riparian plantings, in-stream habitat structures and bank stabilization methods). The applicant also proposes to off-set the remaining on-site stream impacts by enhancing approximately 20,200 linear feet of stream channels off-site with the adjacent Leading Creek watershed.

Activities associated with the construction along the Ohio River would be mitigated by the planting and maintenance of a 50' wide riparian buffer. Bank stabilization methods conducted after completion of construction would help limit riverbank erosion, stream sedimentation and the establishment of habitat for fauna.

Plans of the proposed work are attached to this notice.

A section 401 Water Quality Certification is required for this project. It is the applicant's responsibility to obtain the certification from the Ohio Environmental Protection Agency.

HISTORIC AND CULTURAL RESOURCES: The National Register of Historic Places has been consulted and it has been determined that there are currently no historic properties listed in the National Register in the area affected by the project. However, based on results from previous cultural resource investigations; our office, in consultation with the OHPO and other consulting parties, will evaluate the potential for adverse impacts to newly discovered historic and archaeological properties associated with this proposal. A copy of this public notice will be furnished to the Ohio State Historic Preservation Office (OHPO) for their review.

ENDANGERED/THREATENED SPECIES REVIEW: The project is located within the known or historic range of the following endangered species:

Indiana bat
Pink Mucket Pearly mussel
Fanshell mussel
Sheepnose mussel

The Huntington District has consulted the most recently available information and based on a review of the proposed studies recommended by the United States Fish and Wildlife Service (USFWS) in Reynoldsburg, Ohio and Elkins, West Virginia, the project may have an affect on these species or designated Critical Habitat for these Federally listed species. The applicant indicated mussel surveys have been conducted and no Federally listed species were found. This survey will be furnished to the USFWS for review and comment. In addition, a mist net survey has been requested to determine the presence of the federally endangered Indiana bat. The results of this survey will be coordinated with the USFWS Reynoldsburg, Ohio office. This public notice serves as a request to the USFWS for any additional information they may have on whether any listed or proposed to be listed endangered or threatened species may be present in the area which would be affected by the activity, pursuant to Section 7(c) of the Endangered Species Act of 1972 (as amended).

PUBLIC INTEREST REVIEW AND COMMENT: Any person who has an interest that may be adversely affected by the issuance of a permit may request a public hearing. The request must be submitted in writing to the District Engineer on or before the expiration date of this notice and must clearly set forth the interest which may be adversely affected and the manner in which the interest may be adversely affected by the activity. This application will be reviewed in accordance with 33 CFR 320-331, the Regulatory Program of the U. S. Army Corps of Engineers (USACE), and other pertinent laws, regulations, and executive orders. Our evaluation will also follow the guidelines published by the U. S. Environmental Protection Agency pursuant to Section 404(b) (1) of the CWA. Interested parties are invited to state any objections they may have to the proposed work. The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit that reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors that may be relevant to the proposal will be considered including the cumulative effects thereof; of those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people. Written statements on these factors received in this office on or before the expiration date of this public notice will become a part of the record and will be considered in the final determination. A permit will be granted unless its issuance is found to be contrary to the public interest.

SOLICITATION OF COMMENTS: The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. For accuracy and completeness of the administrative record, all data in support of or in opposition to the proposed work should be submitted in writing setting forth sufficient detail to furnish a clear understanding of the reasons for support or opposition. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

CLOSE OF COMMENT PERIOD: All comments pertaining to this Public Notice must reach this office on or before the close of the comment period listed on page one of this Public Notice. If no comments are received by that date, it will be considered that there are no objections. Comments and requests for additional information should be submitted to:

North Regulatory Permit Section - CELRH-OR-FN-2006-192-OHR
U. S. Army Corps of Engineers Huntington District
502 Eighth Street
Huntington, West Virginia 25701-2070

Please note, the names and addresses of those who submit comments in response to this public notice become part of our administrative record and, as such, are available to the public under provisions of the Freedom of Information Act. Thank you for your interest in our nation's water resources. If you have any questions concerning this public notice, please contact Ms. Lee A. Pittman of the North Regulatory Section at 304-399-5210.

for Ginger Mullins, Chief
Regulatory Branch

(O,WV)

Table 1

Delineated Wetlands Located on the AMPGS Site

Wetland Identifier	Cowardian Wetland Type	Wetland Area (acres)	ORAM Score (Category)	Mapped Soil*	Observed Soil	Acreage Filled
afs-w1	PEM	0.06	8 (1)	No	sandy loam	0
an-w1	PEM/PSS	0.18	38 (2)	LaB/LaD	silty clay	0
bm-w1	PEM	0.07	27 (1)	UgD	silty loam	0
bm-w2	PEM	0.33	35 (2)	UgE	silty loam	0
bm-w3	PEM	0.18	39 (2)	UgD/UgE	silty loam	0.12
bm-w4	POW/PEM	0.07	43 (2)	UgE	silty clay loam	0
bm-w5	PEM	0.27	38 (2)	UgD	silty loam	0.27
c-1	PEM	0.02	24 (1)	UgD/UgE	loam	0
c-2	PEM	0.04	37 (2)	UgD	sandy silty loam	0.04
c-3	PEM	0.01	32.5 (2)	UgE	silt	0.01
c-4	PEM	0.02	23 (1)	UgD	silty clay	0.02
d-1	PEM	0.03	39.5 (2)	UgD	silty clay	0.03
d-2	PEM	0.15	38 (2)	UgD	loam	0.15
d-3	PEM/PFO	0.11	27 (1)	UgD/UgE	loam	0.11
d-4	PEM/PFO	0.07	44 (2)	UgD/UgE	clay loam	0.07
d-5	PEM	0.024	37 (2)	UgE	silty clay loam	0.02
d-6	POW/PEM	0.1	32 (2)	UgE	silty clay	0.09
d-7	PEM	0.08	28 (1)	Ugd	Silty loam	0.08
w-1	PEM/PSS	0.07	44 (2)	UgE	silty clay loam	0
w-2	PEM	0.18	21 (1)	LaD	sandy loam	0
wb-1	POW	0.18	43.5 (2)	UgE	clay	0
wb-2	PEM	0.09	33.5 (2)	LaD	silty clay	0
Total wetland acreage**		2.32		**Total Wetland to be Filled**		**1.01 acres**

Table 2

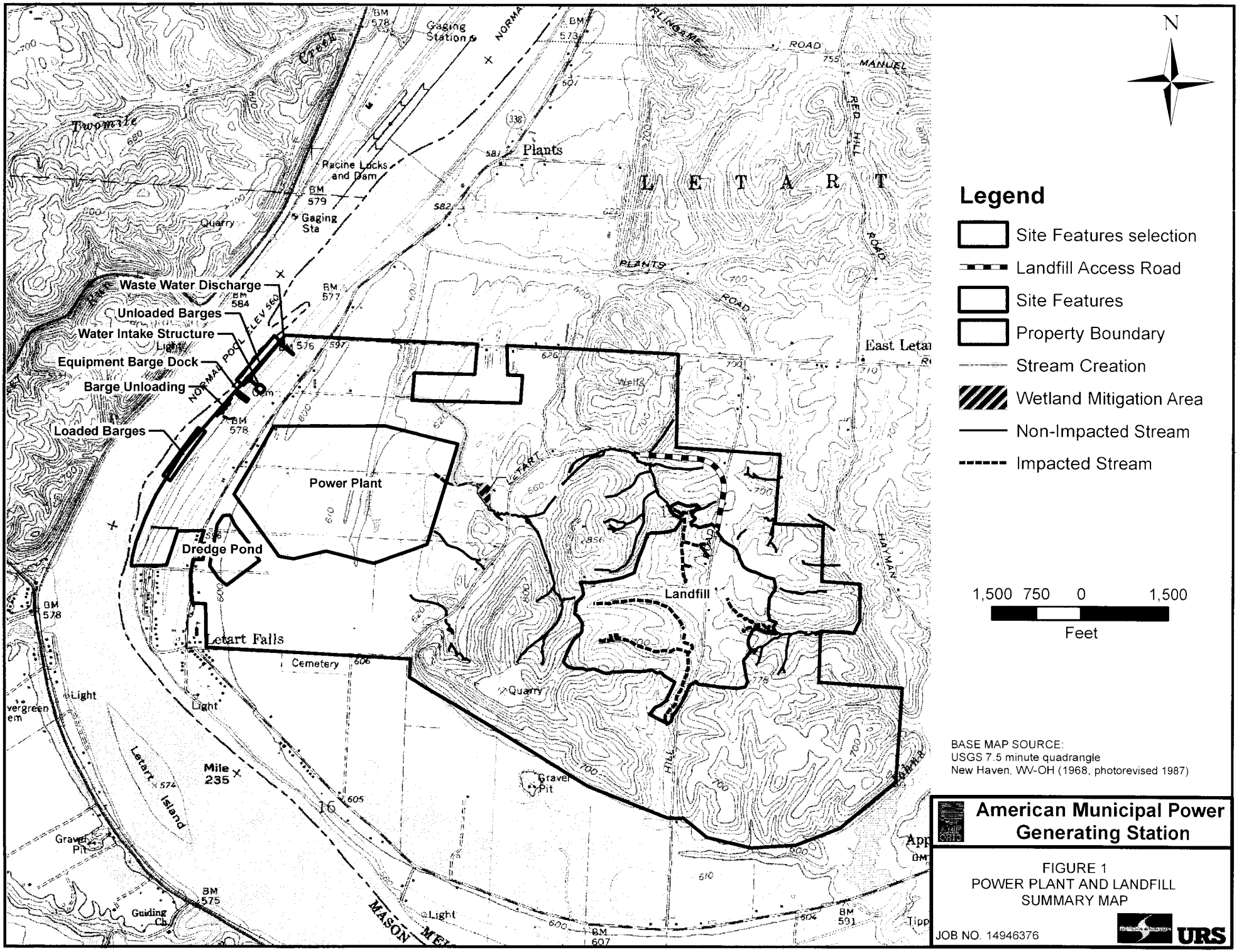
Impacted Streams

Stream Name	HHEI Class	Flow Regime	Bank Full Width (feet)	Length on Site (feet)	Filled Length (feet)	Filled Area (square Feet)	Depth (feet)	Fill Volume (Cubic Yards
an-s1	2	intermittent	4	1,473	259	1,036	0.25	9.44
as-s1	m2	ephemeral	14	224	0	0	NA	0
as-s2	m2	ephemeral	15	483	0	0	NA	0
bm-s1	2	intermittent	3	726	0	0	NA	0
bm-s2	1	ephemeral	3	121	0	0	NA	0
bm-s3	1	ephemeral	1.7	147	0	0	NA	0
bm-s4	1	ephemeral	1.5	253	0	0	NA	0
bm-s5*	1	ephemeral	0.5	241	0	0	NA	0
bm-s5	1	ephemeral	0.5	86	0	0	NA	0
bm-s6	2	intermittent	3.5	417	0	0	NA	0
bm-s7	1	intermittent	2	172	0	0	NA	0
bm-s8	1	ephemeral	3.2	232	0	0	NA	0
bm-s9	2	intermittent	4.1	544	0	0	NA	0
bm-s10	1	ephemeral	1.7	705	0	0	NA	0
bm-s11	1	intermittent	2	40	40	81	0.15	0.44
bm-s12	2	ephemeral	16	835	0	0	NA	0
bm-s13	3	intermittent	16	1,456	365	5,841	0.39	85.18
bm-s13b	2	intermittent	4	922	922	3,689	0.39	53.79
bm-s14	3	intermittent	6.3	771	0	0	NA	0
bm-s15	1	ephemeral	2	115	0	0	NA	0
bm-s16	2	ephemeral	6.2	520	0	0	NA	0
bm-s17	2	ephemeral	3.7	343	0	0	NA	0
bm-s18	1	ephemeral	1.7	57	57	97	0.03	0.12
bms-19	1	ephemeral	2	118	0	0	NA	0
bm-s19trib	1	ephemeral	2	144	57	115	0.03	0.14
bm-s20	2	ephemeral	4.5	305	305	1,370	0.03	1.67
bm-s20trib	1	ephemeral	2.9	52	52	150	0.03	0.18
bm-s21	1	ephemeral	2.1	44	44	92	0.03	0.11
bs-s1	m1	ephemeral	3.7	143	0	0	NA	0
bs-s1	m1	ephemeral	3.7	149	0	0	NA	0
bs-10	2	intermittent	7.5	323	0	0	NA	0
bs-11	3	intermittent	4	243	0	0	NA	0
bs-12	3	intermittent	7	120	0	0	NA	0
bs-12	3	intermittent	7	54	0	0	NA	0
bs-12	3	intermittent	7	488	0	0	NA	0
bs-1-2	m2	ephemeral	4	181	0	0	NA	0
bs-12trib	2	intermittent	3.1	245	0	0	NA	0
bs-12trib	2	intermittent	3.1	726	0	0	NA	0
bs-13	3	intermittent	13	1,170	0	0	NA	0
bs-13	3	intermittent	13	1,186	0	0	NA	0
bs-1-3	m1	ephemeral	3.8	809	0	0	NA	0
bs-14	2	ephemeral	8	381	0	0	NA	0
bs-15	2	intermittent	3	787	0	0	NA	0
bs-16	2	intermittent	10	90	0	0	NA	0
bs-16	2	intermittent	10	117	0	0	NA	0

Table 2 Continued

bs-2	m2	ephemeral	6.8	155	0	0	NA	0
bs-2-2	2	intermittent	3	356	0	0	NA	0
bs-3	1	ephemeral	2.6	48	0	0	NA	0
bs-4	1	ephemeral	1.7	41	0	0	NA	0
bs-5	1	ephemeral	2.6	39	0	0	NA	0
bs-6	1	ephemeral	2.3	134	0	0	NA	0
bs-8	m1	intermittent	2.6	1,135	0	0	NA	0
bs-9	1	ephemeral	1.7	71	0	0	NA	0
cs-1	1	ephemeral	3.8	139	0	0	NA	0
cs-1-2	3	ephemeral	14	626	0	0	NA	0
cs-2	2	intermittent	3.5	154	0	0	NA	0
cs-2	2	intermittent	3.5	196	0	0	NA	0
cs-2trib	2	intermittent	3.5	150	0	0	NA	0
cs-2trib	2	intermittent	3.5	87	0	0	NA	0
cs-3-1	2	intermittent	6.5	997	0	0	NA	0
cs-3-2	3	intermittent	7	522	0	0	NA	0
cs-3-2	3	intermittent	7	547	0	0	NA	0
cs-4	1	intermittent	6	82	82	490	0.15	2.68
cs-4-2	3	intermittent	8.6	308	308	2,652	0.67	66.06
cs-4-3	m2	intermittent	6	912	912	5,472	0.23	46.55
cs-4trib	1	ephemeral	3	57	57	172	0.03	0.21
cs-5-2	m1	ephemeral	3.8	165	165	629	0.1	2.29
cs-6	1	intermittent	2	448	448	897	0.04	1.38
cs-6trib	1	intermittent	2	259	259	519	0.05	0.95
ds-1-11	1	intermittent	4	755	755	3,020	0.03	3.67
ds-1-12	2	intermittent	4.5	753	753	3,387	0.39	49.39
ds-1-5	m2	intermittent	5	1,005	1,005	5,025	0.23	42.74
ds-2-10	3	intermittent	5.6	748	748	4,186	0.05	7.63
ds-2-2	2	intermittent	5	352	352	1,759	0.03	2.14
ds-2-5	3	intermittent	4.5	504	504	2,268	0.25	20.67
ds-3a	m1	ephemeral	2	92	92	184	0.03	0.22
ds-3b	m1	ephemeral	2	106	106	213	0.03	0.26
ds-3c	m1	ephemeral	2	84	84	169	0.03	0.21
ds-4	m2	ephemeral	3.8	67	67	256	0.03	0.31
jn-s	m2	intermittent	5	1,110	1,054	5,270	0.25	48.03
s-1	1	intermittent	3.5	613	185	649	0.02	0.39
s-2	3	intermittent	20	1,654	271	5,412	1.64	328.83
s-3	3	intermittent	16	939	0	0	NA	0
s-4	2	intermittent	5	986	0	0	NA	0
s-5	2	intermittent	6	1,365	0	0	NA	0
s-5	2	intermittent	6	137	0	0	NA	0
s-6	1	ephemeral	2.6	971	50	130	0.03	0.16
s-7	1	ephemeral	2.5	762	0	0	NA	0
Totals				**39,391**	**10,359**	**55,228**	-	**775.83 cu/yd**

* Nore that duplicate entries represent segments of the same stream that exit and them re-enter the project/disturbed area.



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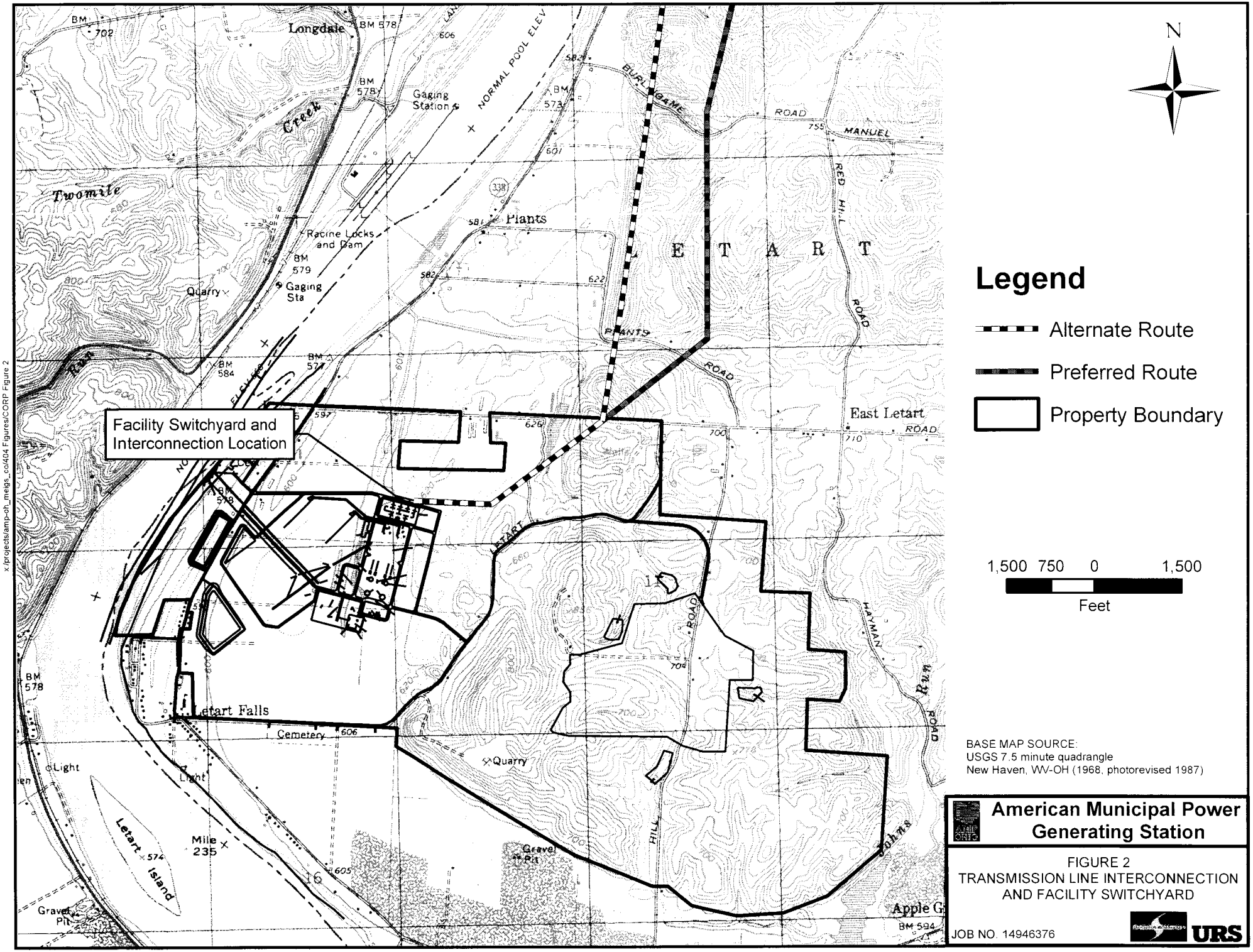

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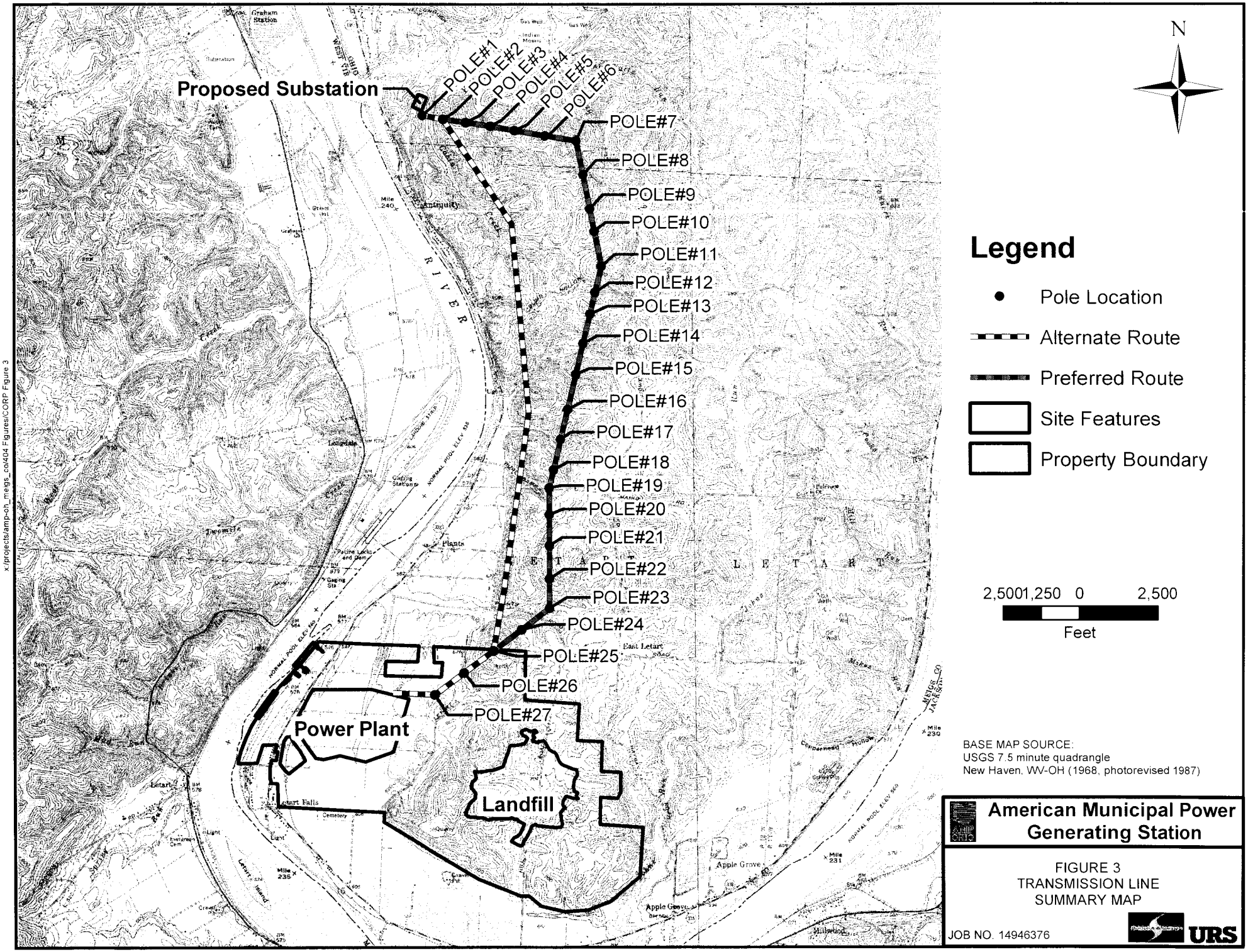
Proposed Substation
POLE#1
POLE#2
POLE#3
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POLE#7
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POLE#9
POLE#10
POLE#11
POLE#12
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POLE#27
Power Plant
Landfill
N
Legend
Pole Location
Alternate Route
Preferred Route
Site Features
Property Boundary
2,500 1,250 0 2,500
Feet
BASE MAP SOURCE:
USGS 7.5 minute quadrangle
New Haven, WV-OH (1968, photorevised 1987)
American Municipal Power
Generating Station
FIGURE 3
TRANSMISSION LINE
SUMMARY MAP
JOB NO. 14946376
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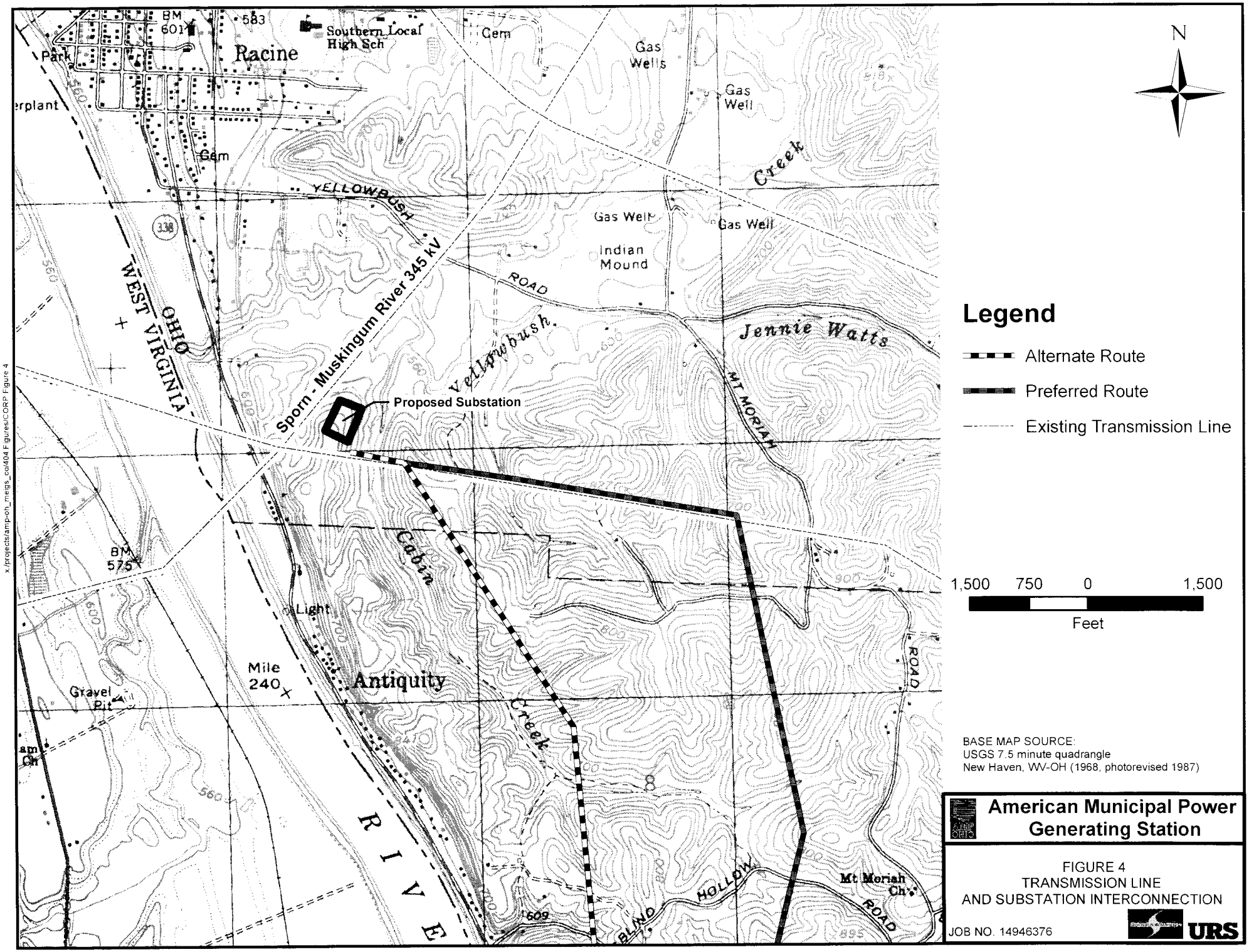

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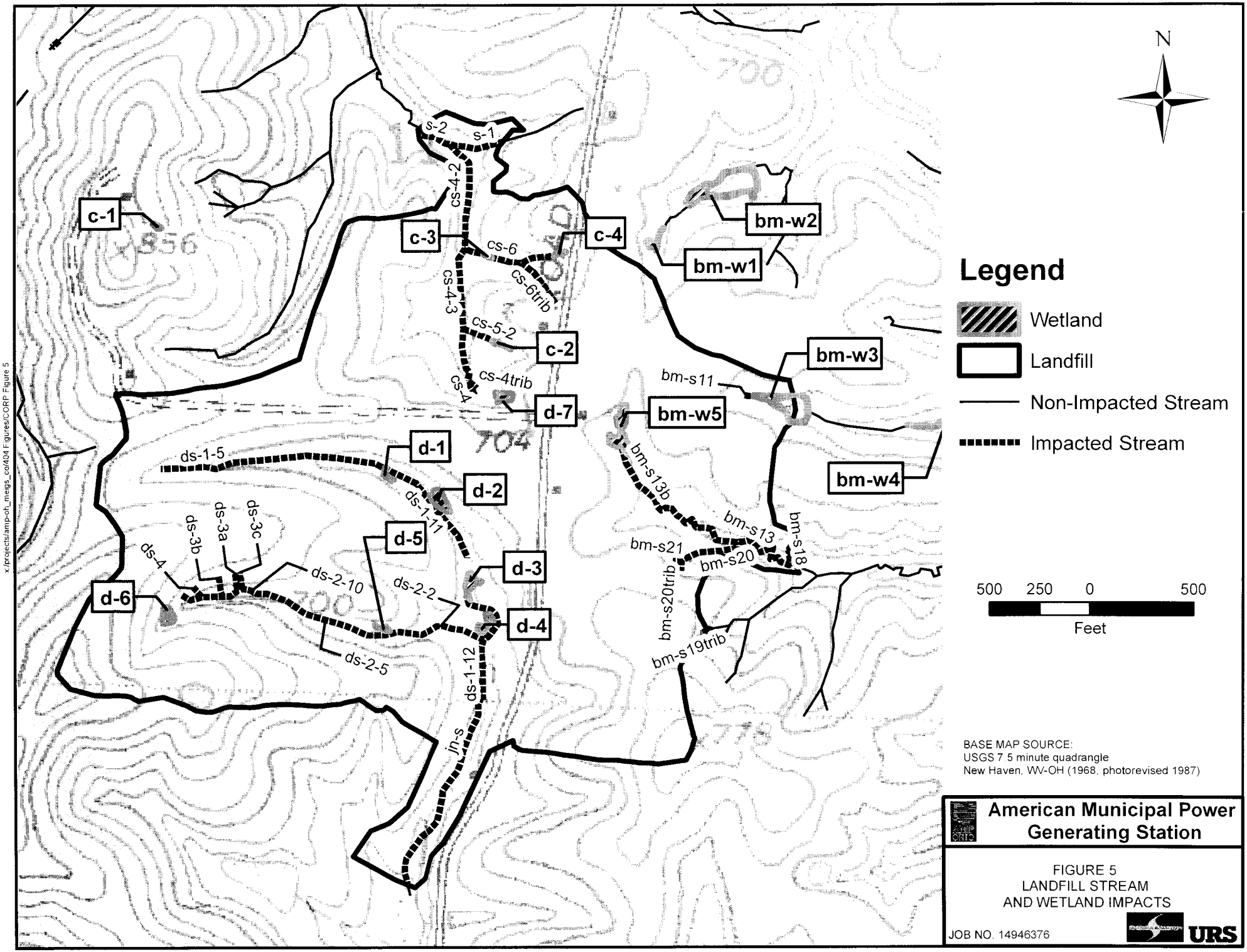
N
Legend
Wetland
Landfill
Non-Impacted Stream
Impacted Stream
500 250 0 500
Feet
c-1
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d-6
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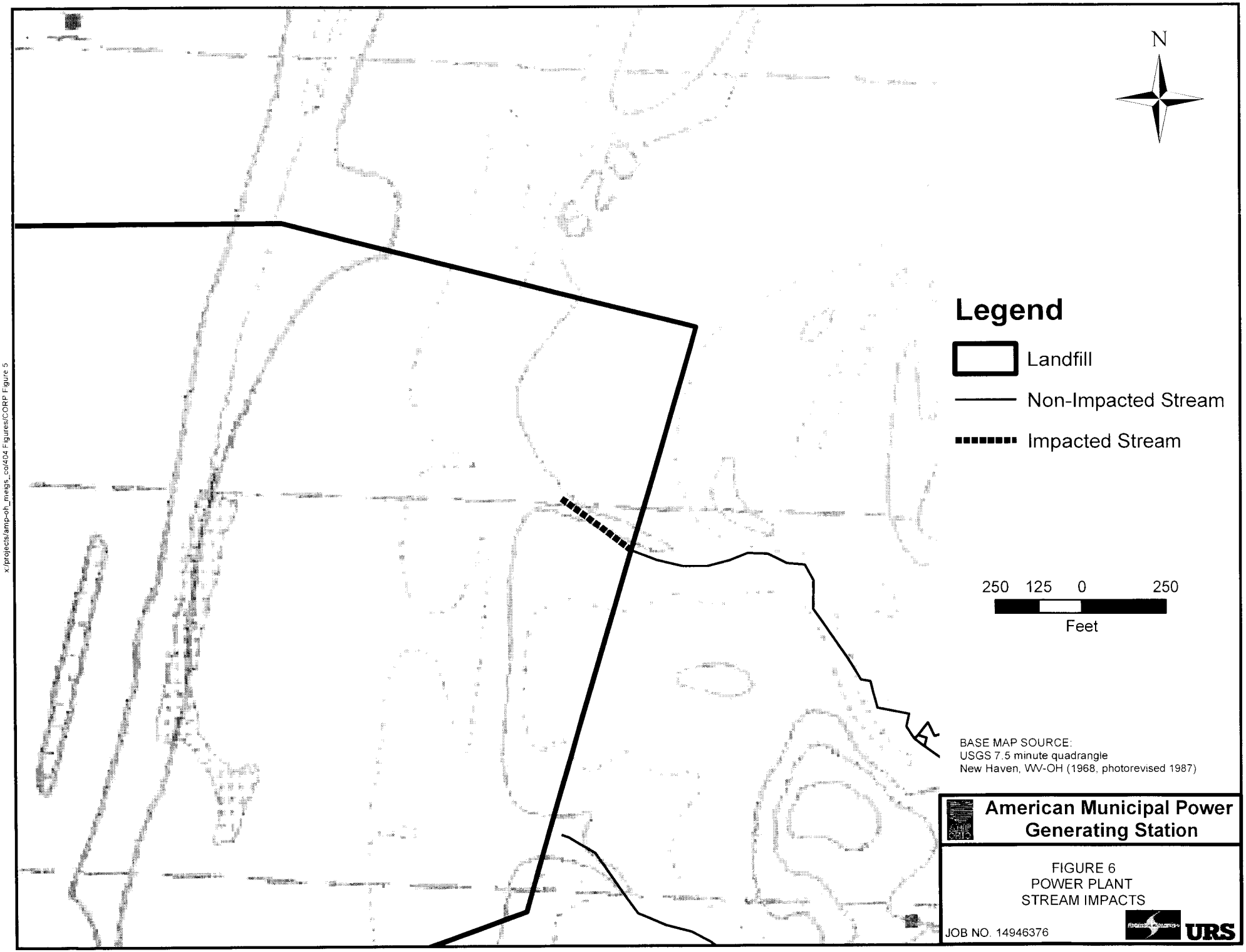
bm-w1
bm-w2
bm-w3
bm-w4
bm-w5
s-1
s-2
cs-4-2
cs-4-3
cs-4
cs-4trib
cs-5-2
cs-6
cs-6trib
ds-1-5
ds-1-11
ds-1-12
ds-2-2
ds-2-5
ds-2-10
ds-3a
ds-3b
ds-3c
ds-4
jn-s
bm-s11
bm-s13
bm-s13b
bm-s18
bm-s19trib
bm-s20
bm-s20trib
bm-s21
700
704
BASE MAP SOURCE:
USGS 7.5 minute quadrangle
New Haven, WV-OH (1968, photorevised 1987)
American Municipal Power
Generating Station
FIGURE 5
LANDFILL STREAM
AND WETLAND IMPACTS
JOB NO. 14946376
URS
x:/projects/amp-oh_mejgs_co/404 Figures/CORP Figure 5


N
Legend
Landfill
Non-Impacted Stream
Impacted Stream
250 125 0 250
Feet
BASE MAP SOURCE:
USGS 7.5 minute quadrangle
New Haven, WV-OH (1968, photorevised 1987)
American Municipal Power
Generating Station
FIGURE 6
POWER PLANT
STREAM IMPACTS
JOB NO. 14946376
URS
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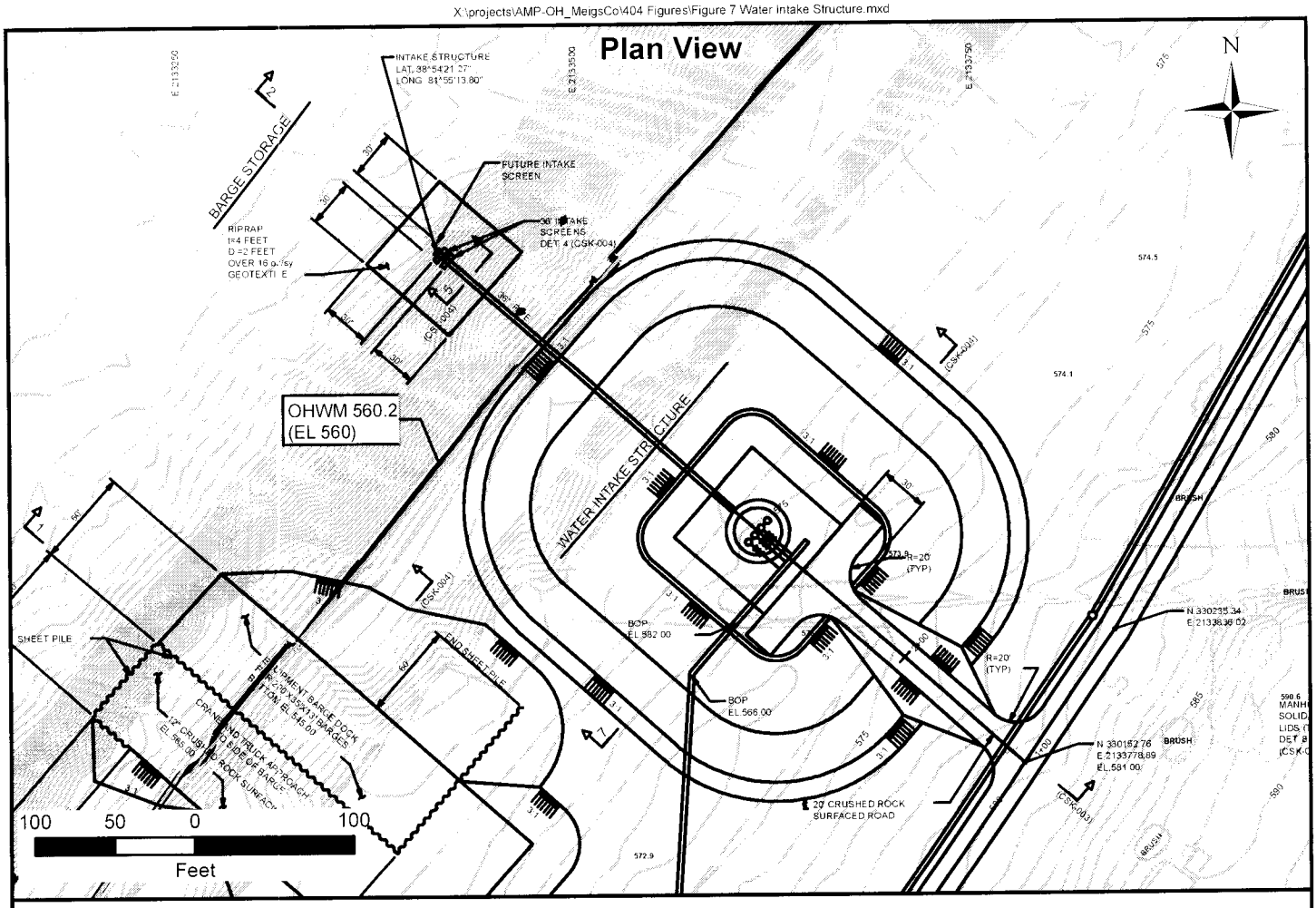
X:\projects\AMP-OH_MeigsCo\404 Figures\Figure 7 Water Intake Structure.mxd

Plan View



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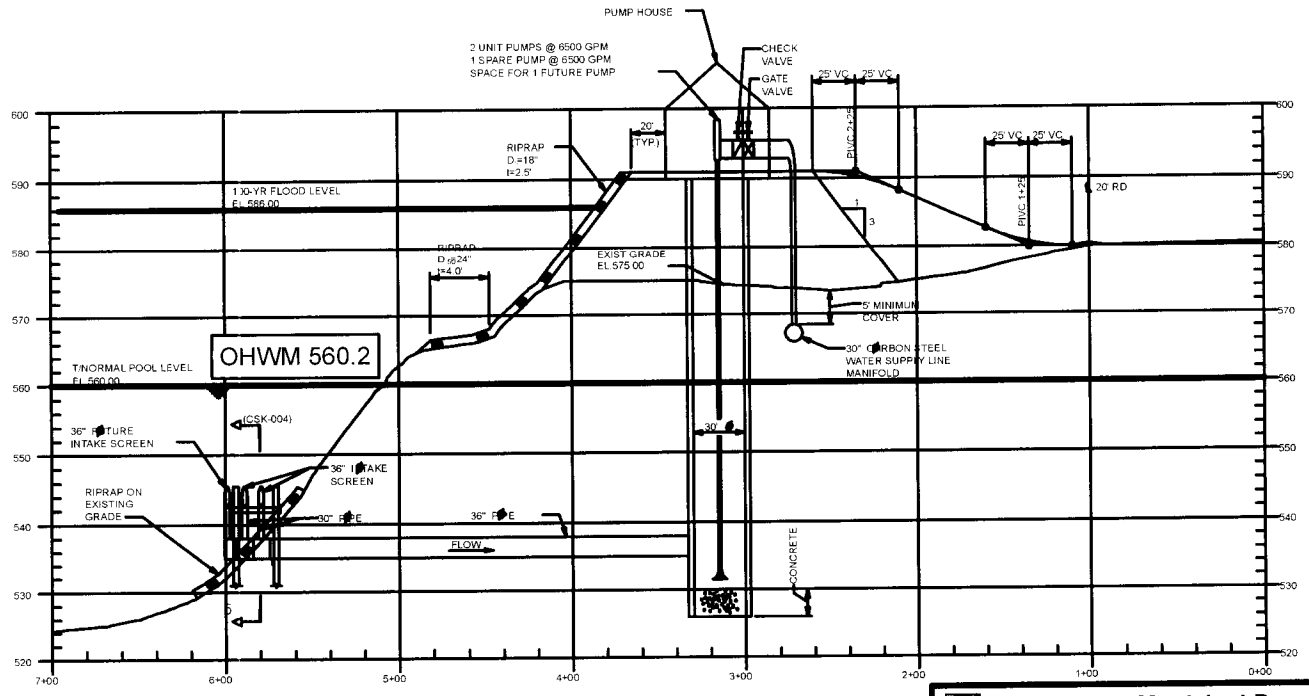


WATER INTAKE STRUCTURE
SECTION 2
CSK-001

American Municipal Power Generating Station

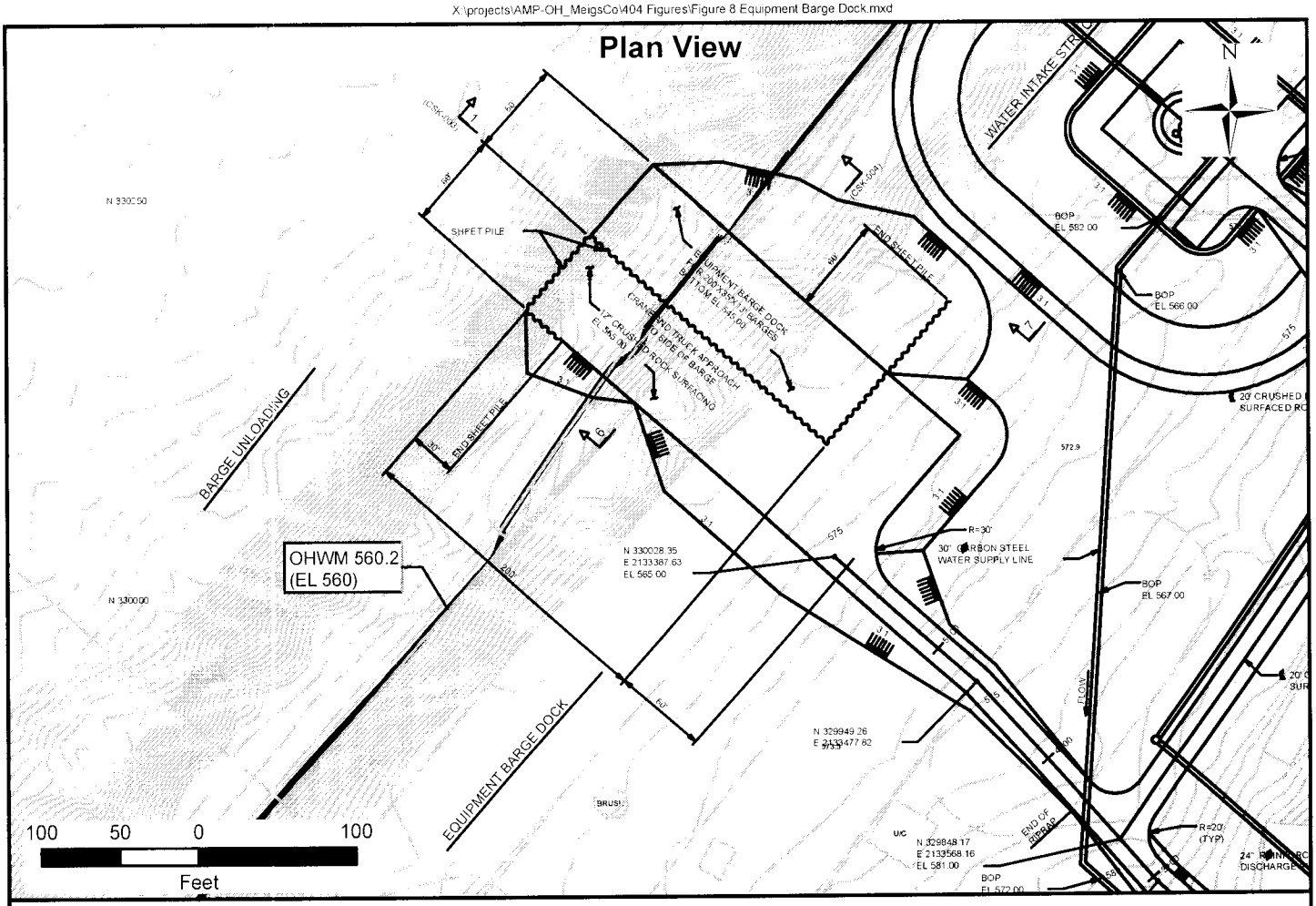
FIGURE 7
WATER INTAKE STRUCTURE
PLAN VIEW AND CROSS SECTION

JOB NO. 14946376

URS

X:\projects\AMP-OH_MeigsCo\404 Figures\Figure 8 Equipment Barge Dock.mxd

Plan View



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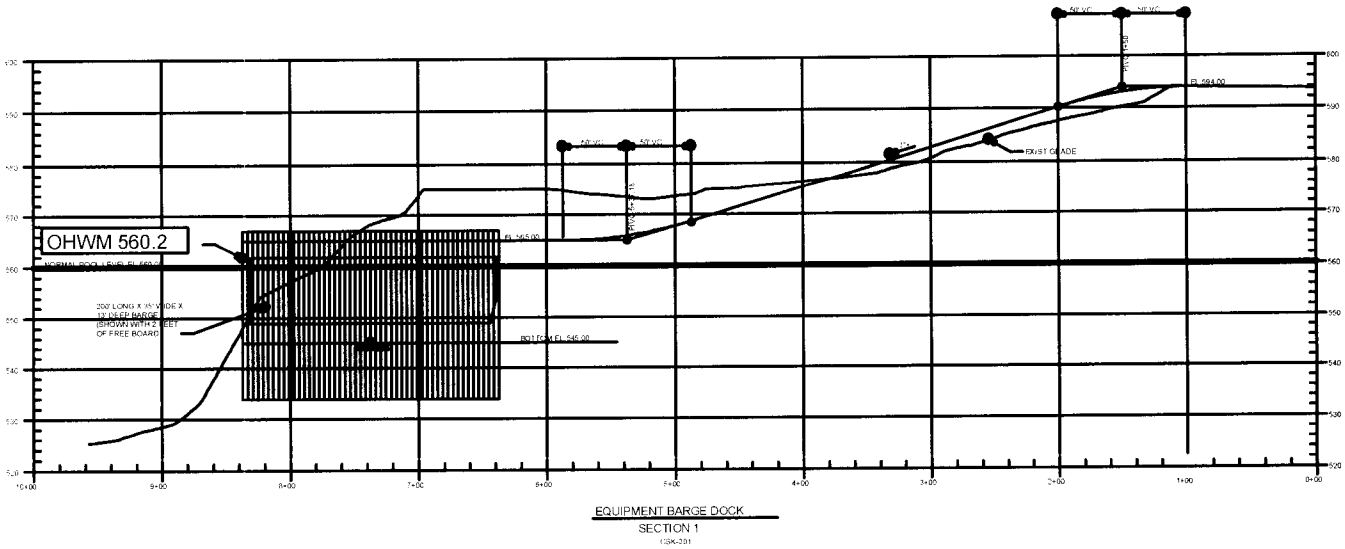


American Municipal Power Generating Station

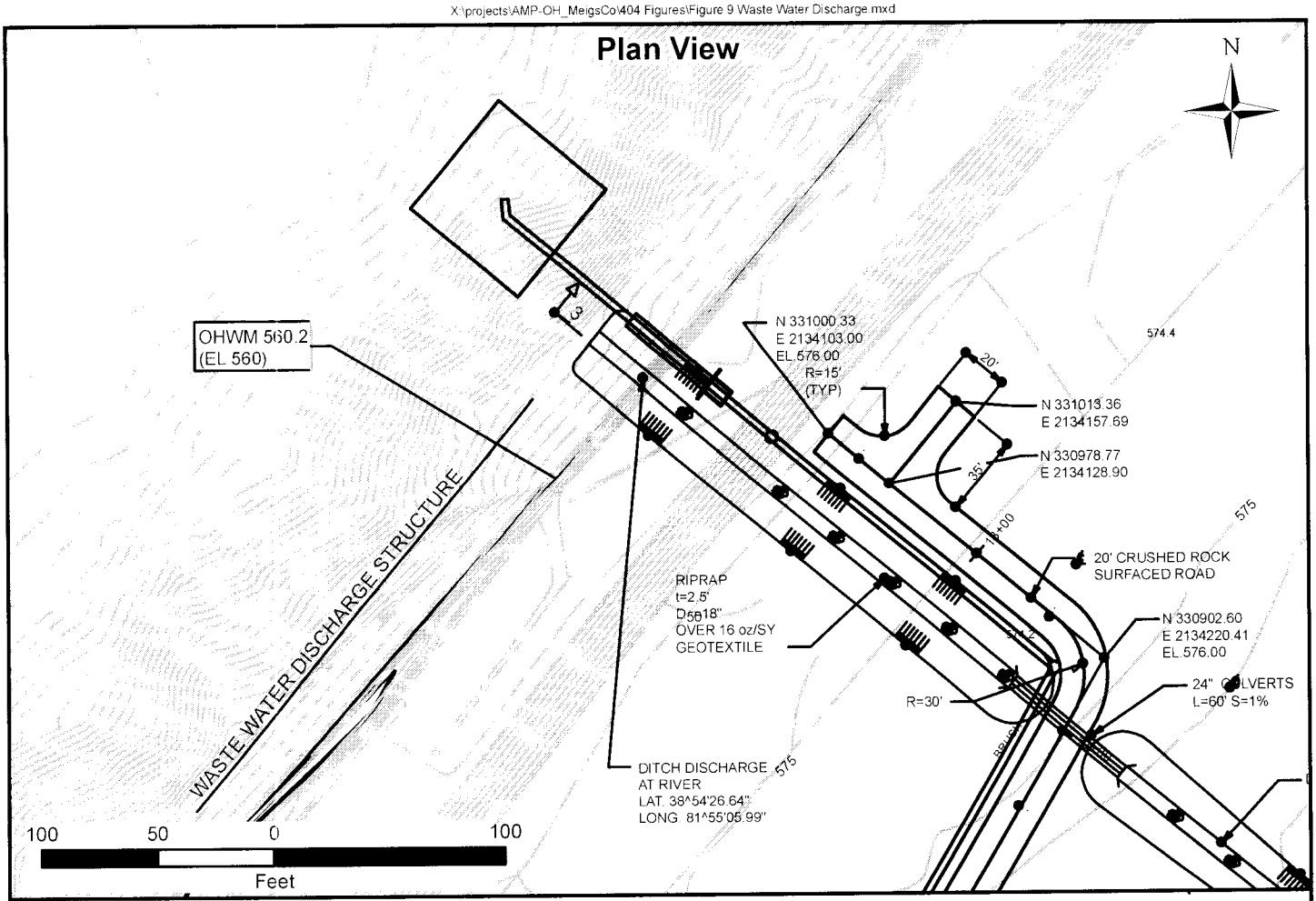
FIGURE 8
EQUIPMENT BARGE DOCK
PLAN VIEW AND CROSS SECTION

JOB NO. 14946376

URS

X:\projects\AMP-OH_MeigsCo\404 Figures\Figure 9 Waste Water Discharge.mxd

Plan View



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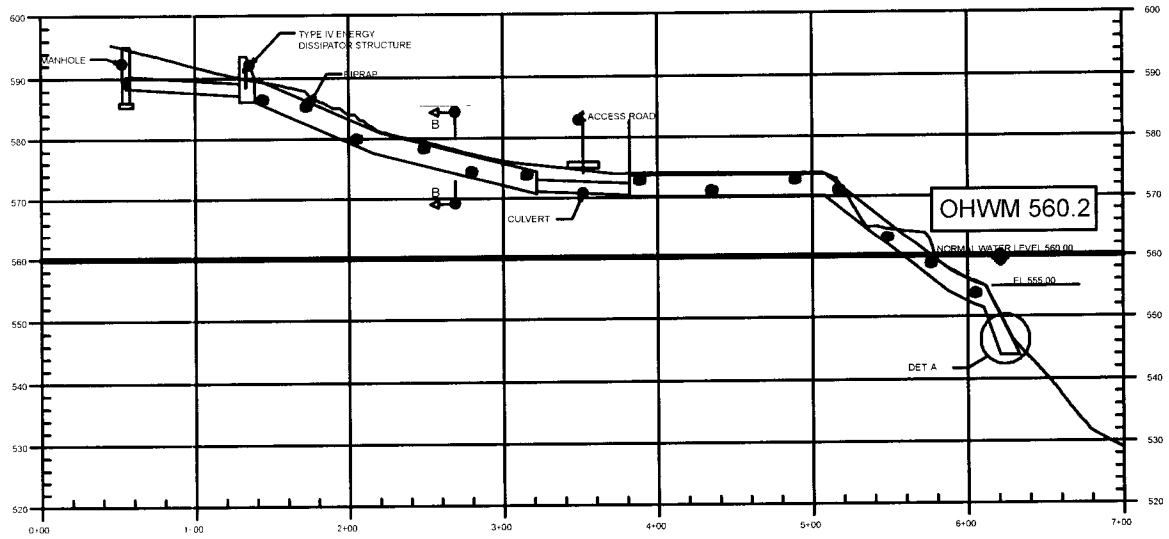
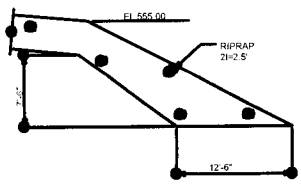


WASTE WATER DISCHARGE STRUCTURE ALTERNATIVE
SECTION 3
CSK-002



DETAIL A

SECTION B

American Municipal Power Generating Station

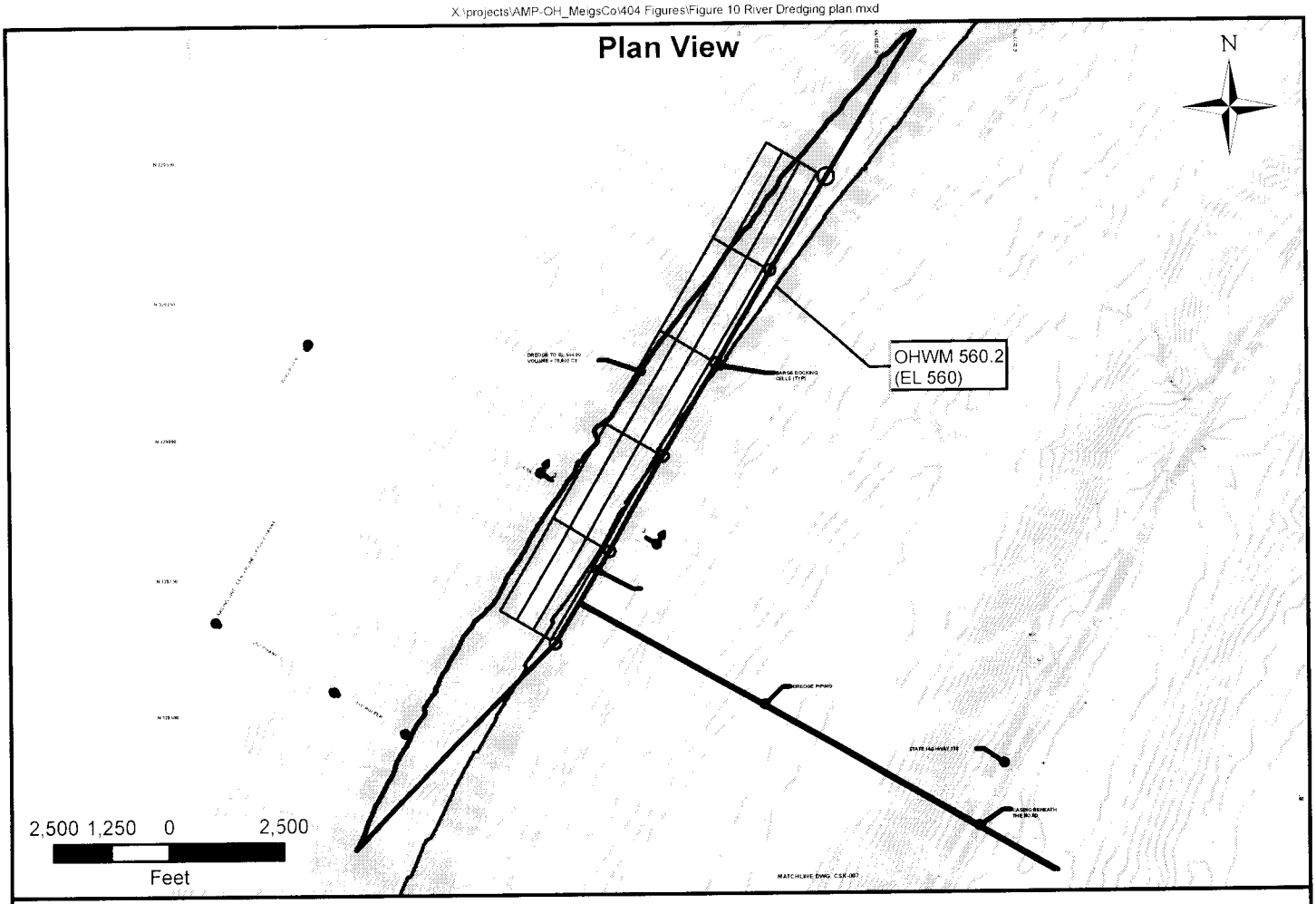
FIGURE 9
WASTE WATER DISCHARGE
PLAN VIEW AND CROSS SECTION

JOB NO. 14946376

URS

X:\projects\AMP-OH_MeigsCo\404 Figures\Figure 10 River Dredging plan.mxd

Plan View



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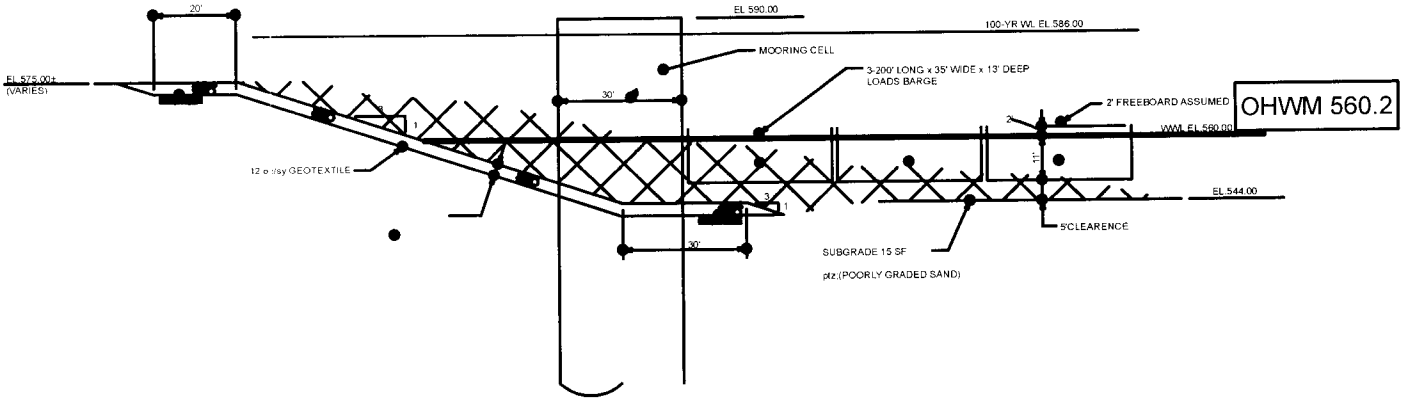


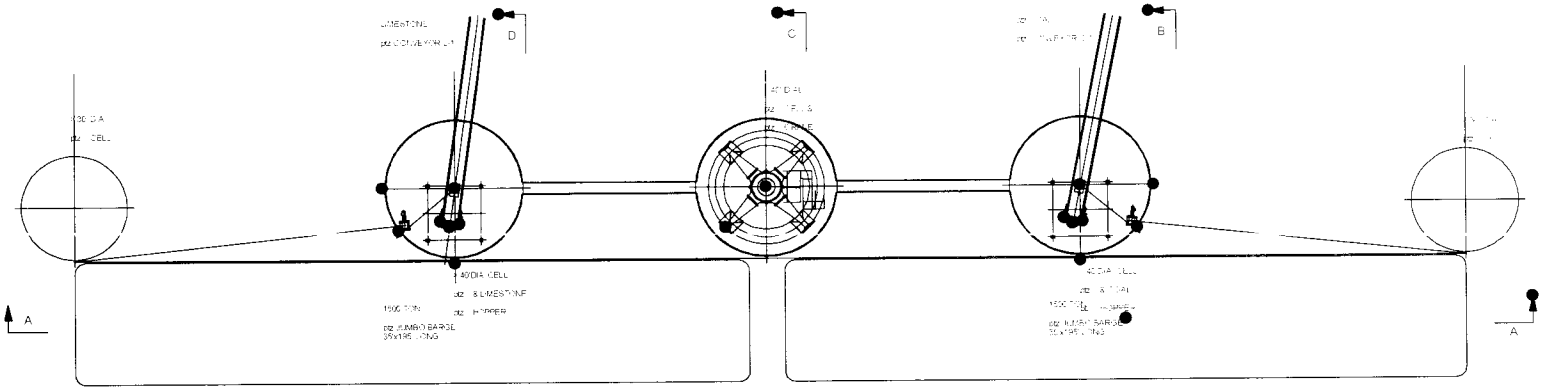
RIPRAP AT DREDGED AREA

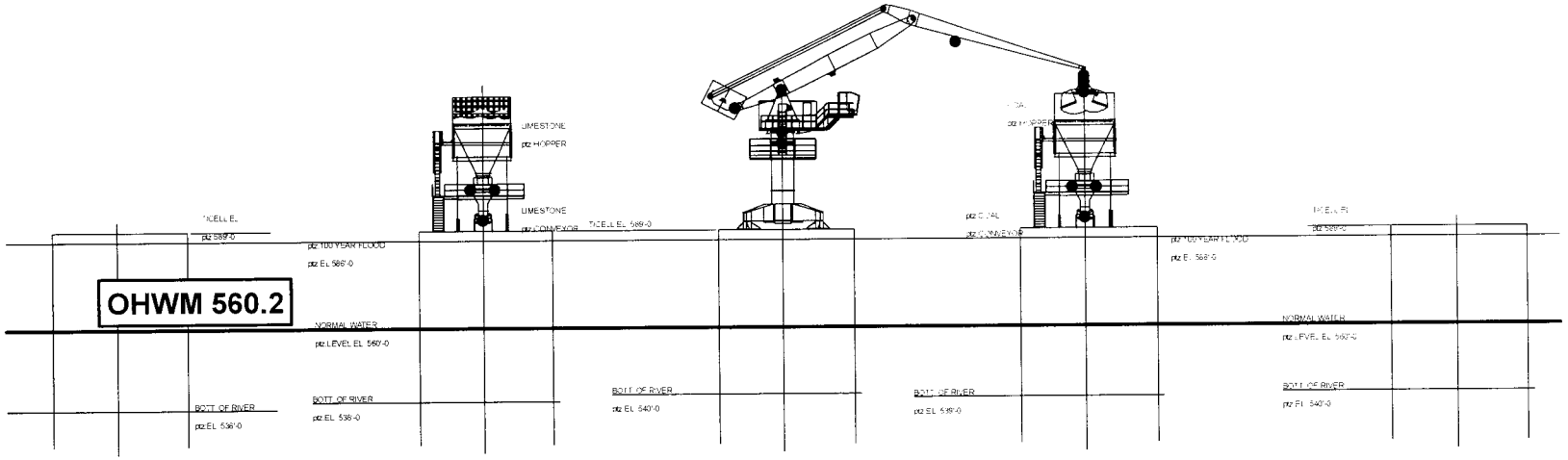
American Municipal Power Generating Station

FIGURE 10
RIVER DREDGING
PLAN VIEW AND CROSS SECTION

JOB NO. 14946376

URS





SECTION A-A

American Municipal Power Generating Station

FIGURE 11
BARGE UNLOADING
GENERAL ARRANGEMENT

JOB NO. 14946376

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